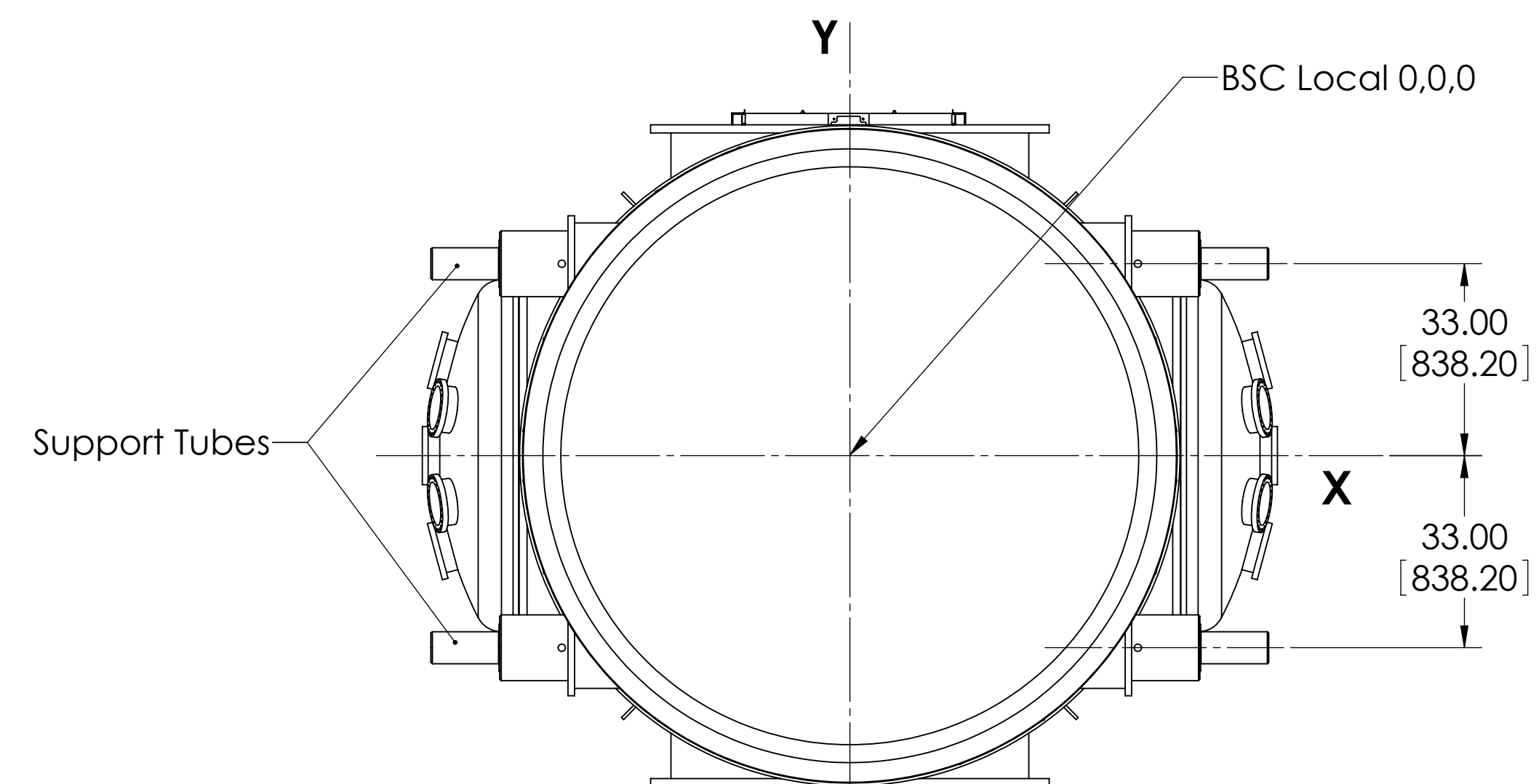
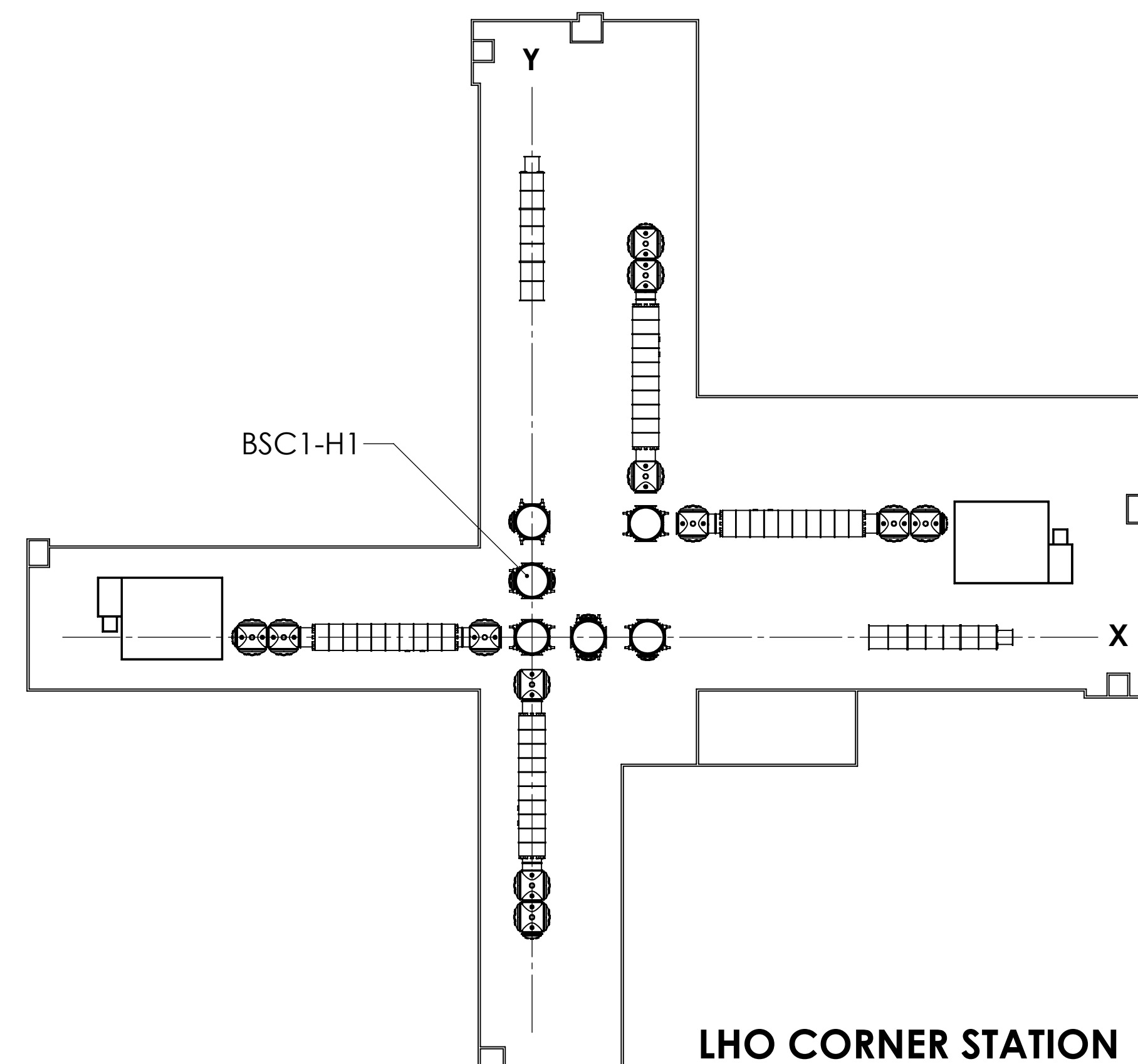
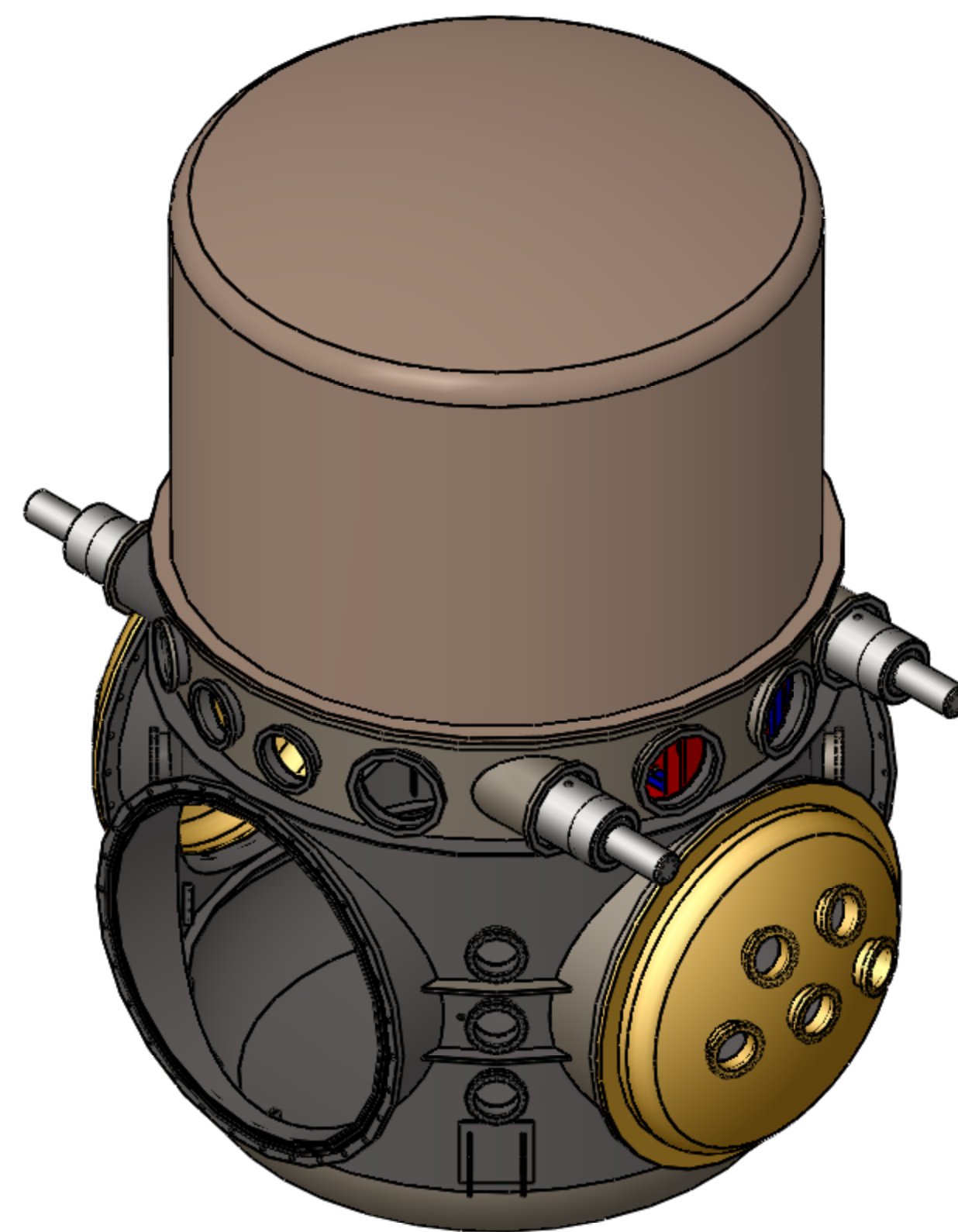


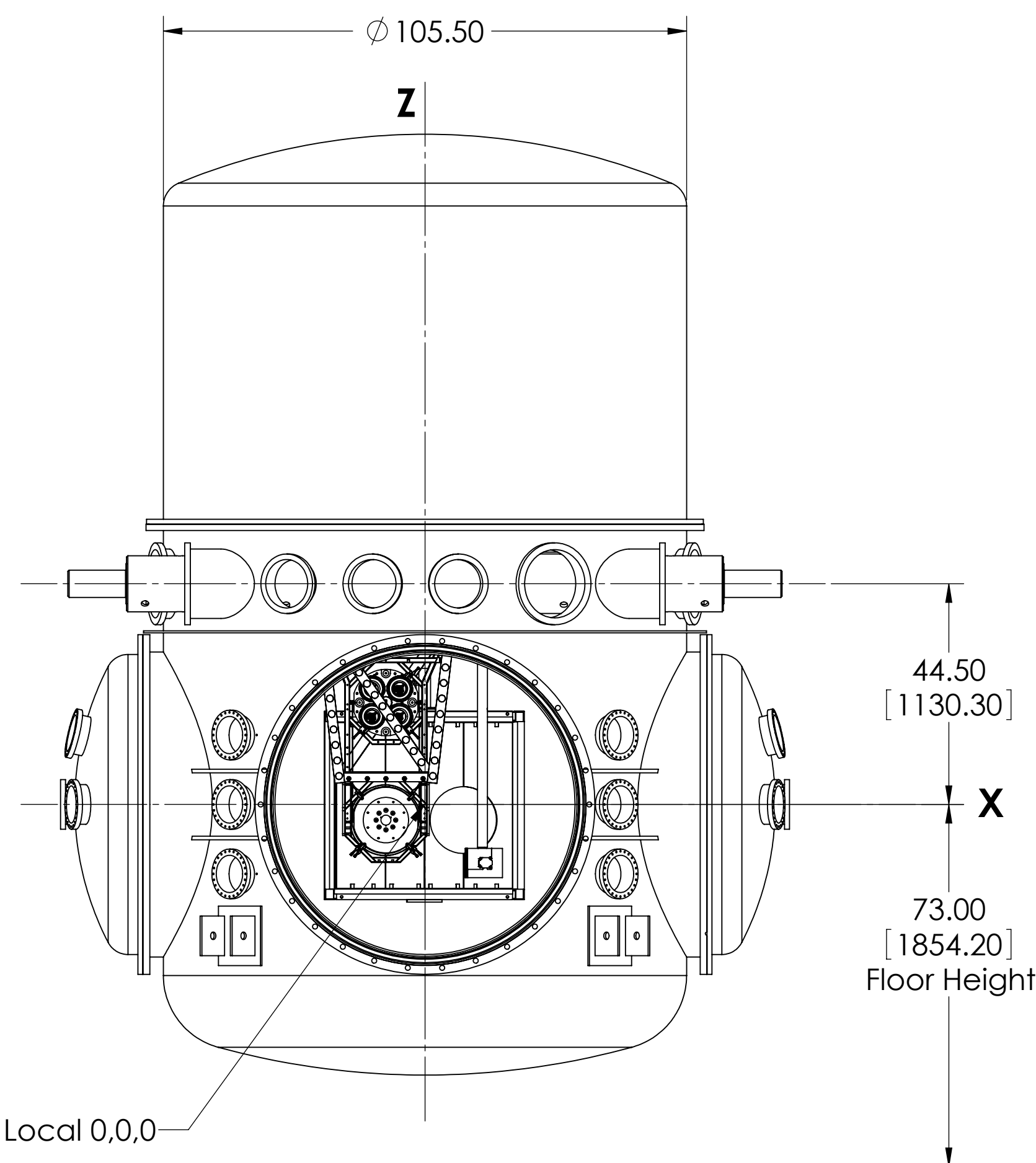
REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



TOP VIEW

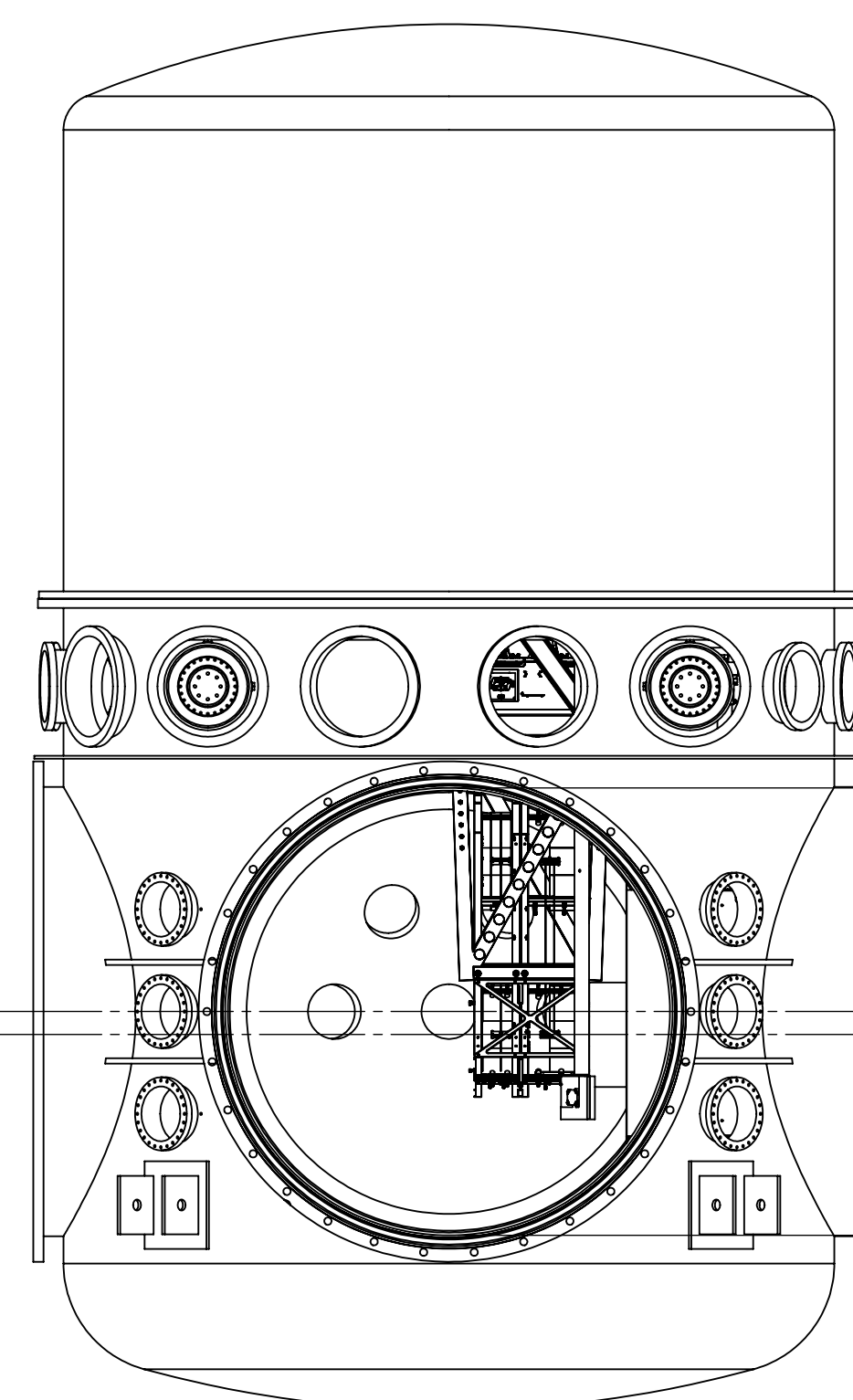


LHO CORNER STATION

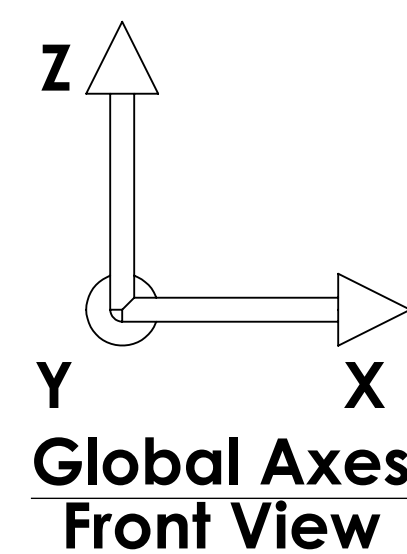


FRONT VIEW

BSC Chamber \varnothing
3.15 [80]
Beam Tube \varnothing



RIGHT SIDE VIEW

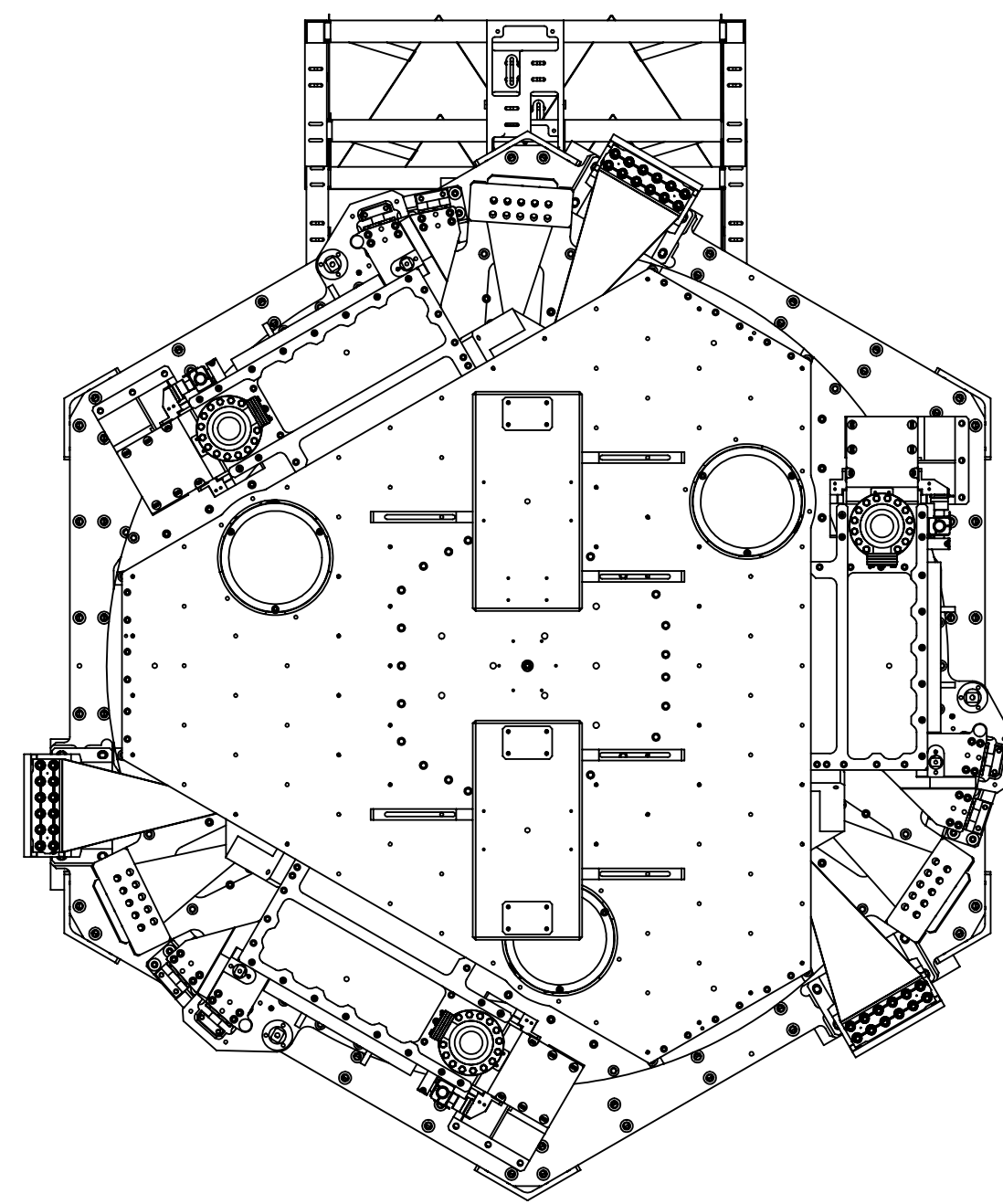


BSC1-H1	
GLOBAL COORDINATES (mm)	
X	0.0
Y	4580.0
Z	0.0

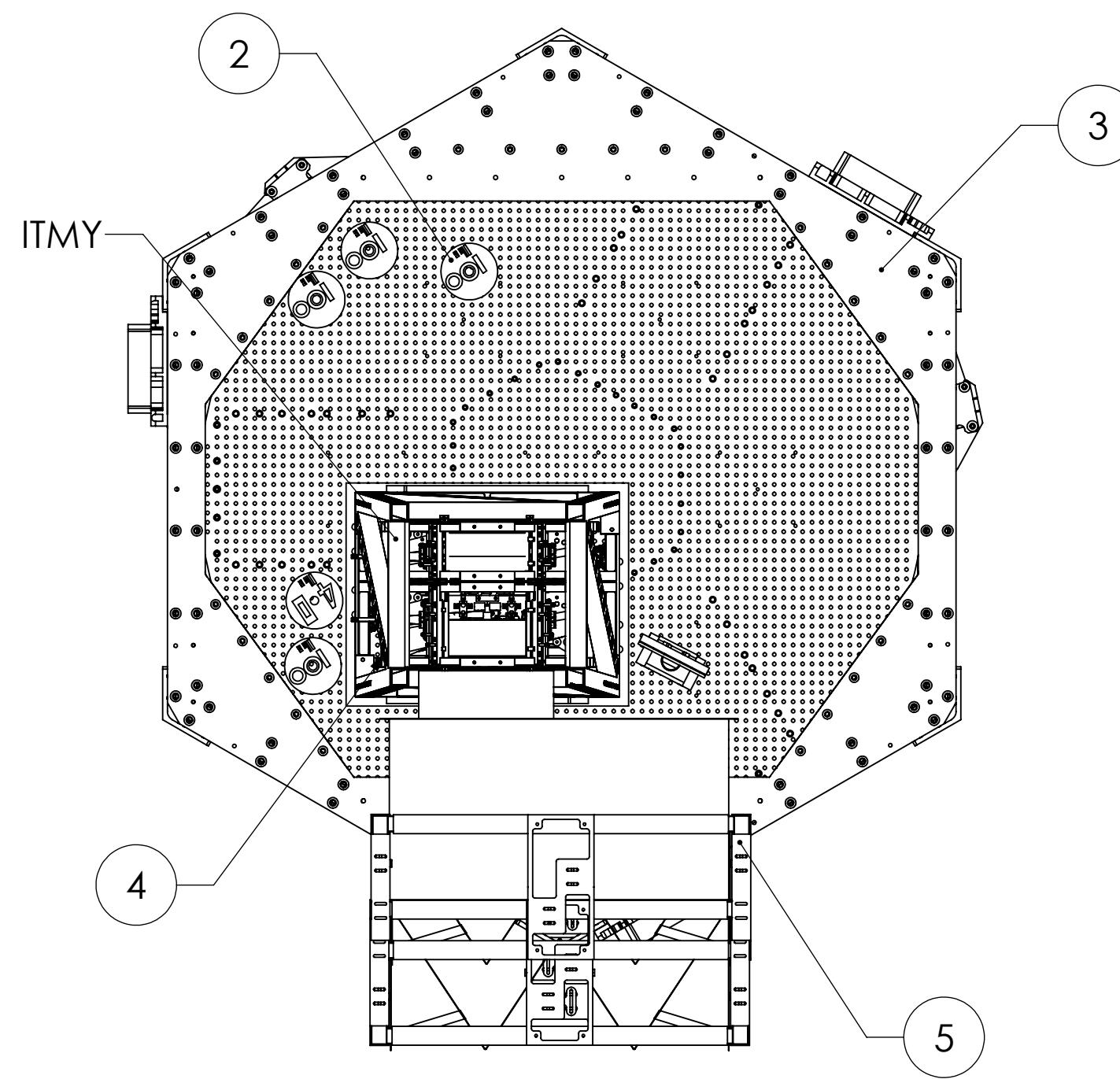
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES				SYSTEM		SUB-SYSTEM	
TOLERANCES: .XX ± 0.01 .XXX ± 0.005				ADVANCED LIGO		SUS	
ANGULAR ± 0.5°				NEXT ASSY		DESIGNER	
MATERIAL				FINISH		SIZE DWG. NO.	
---				-- μinch		D	
				LIGO		BSC1-H1 Top Level Chamber Assembly, Fully Defined	
				ADVANCED LIGO		DESIGNER	
				SUS		ED CHAVEZ	
				NEXT ASSY		21 OCT 2009	
				DESIGNER		D	
				CHECKER		D0901137	
				APPROVAL		v3	
				SCALE: 1:32		PROJECTION:	
				PROJECTION:		SHEET 1 OF 5	

D0901137 BSC1-H1 Top Level Chamber Assembly, Complicated-1 PART PDM REV: X-009 DRAWING PDM REV: X-000

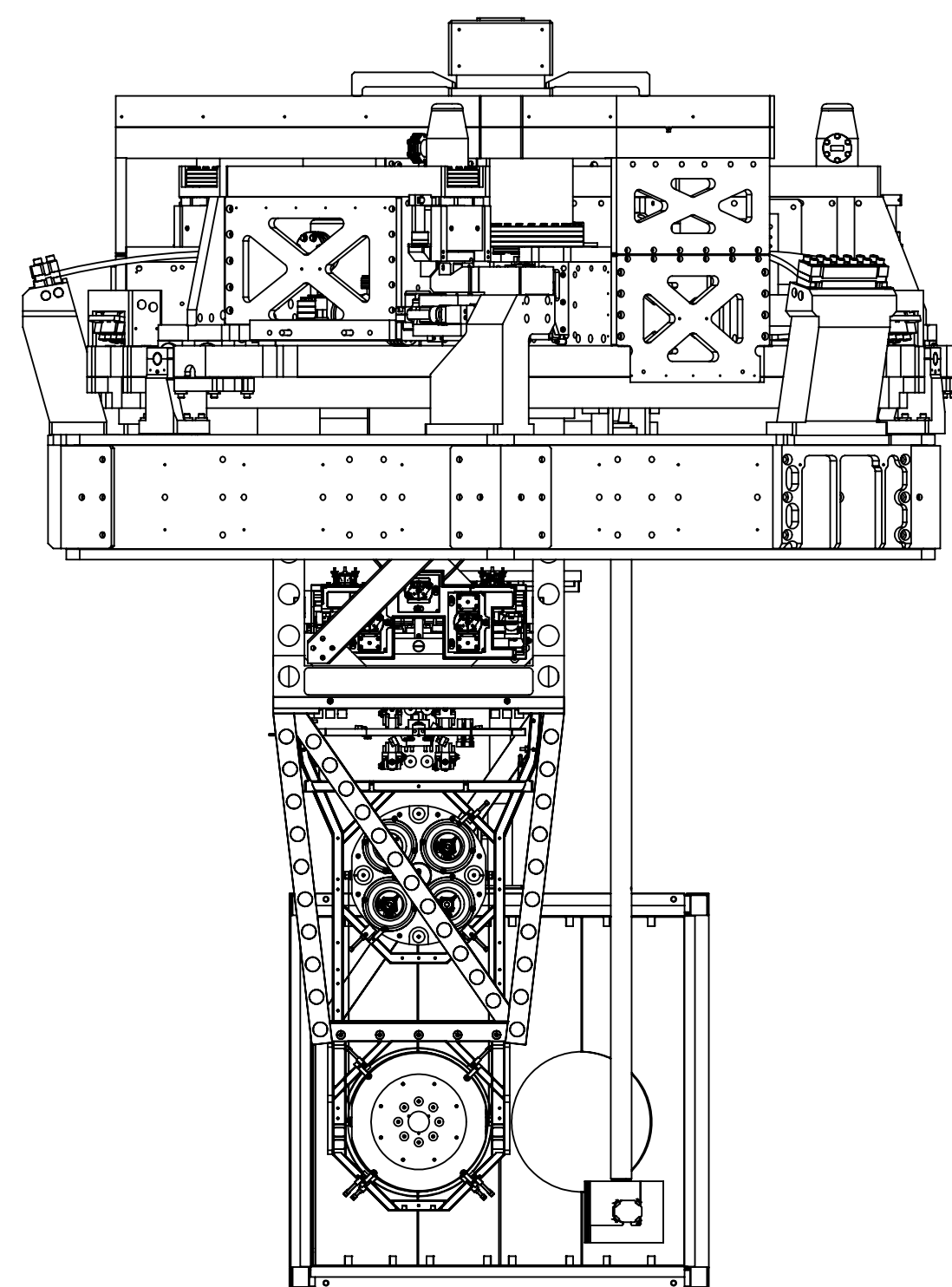
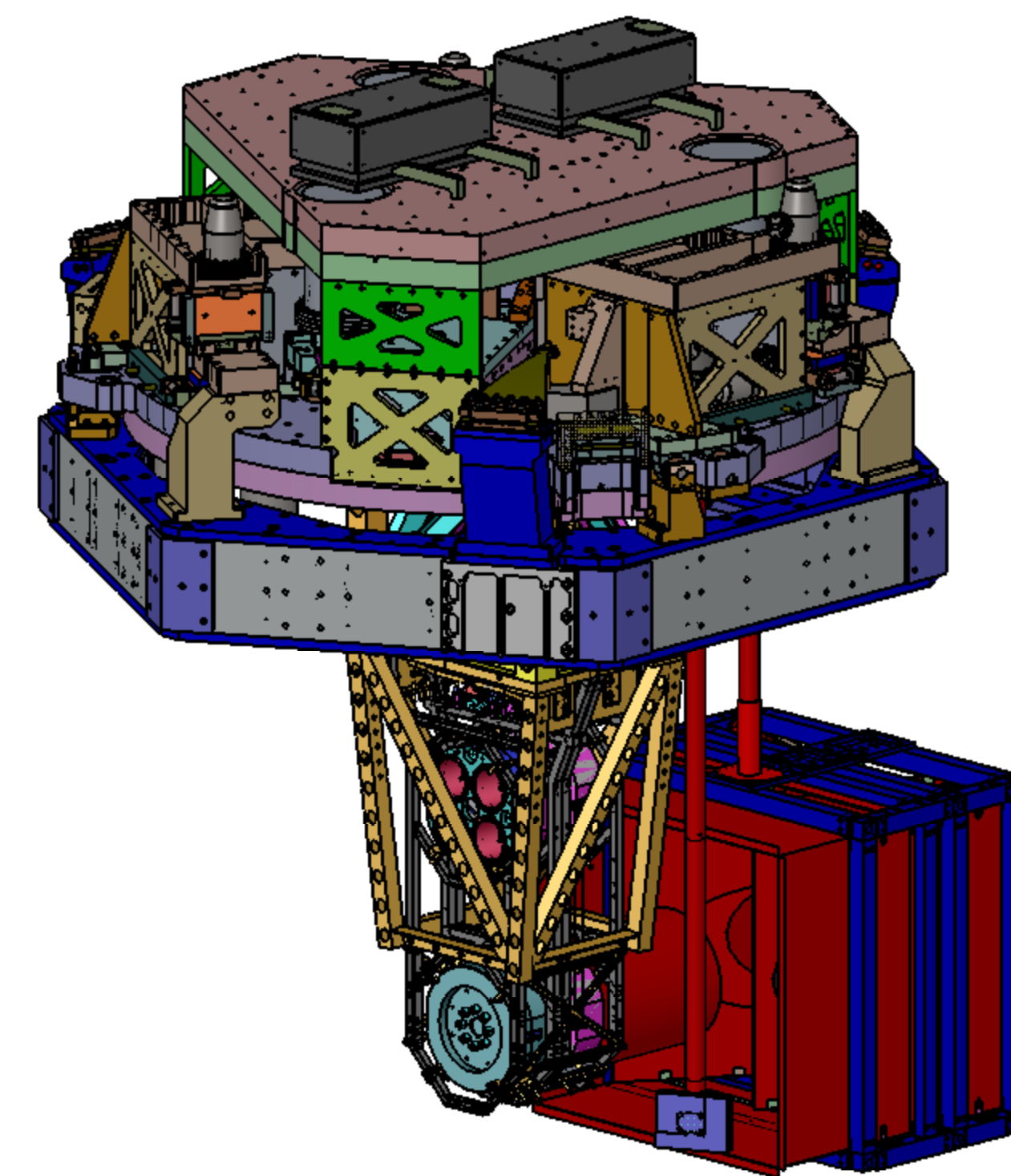
REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



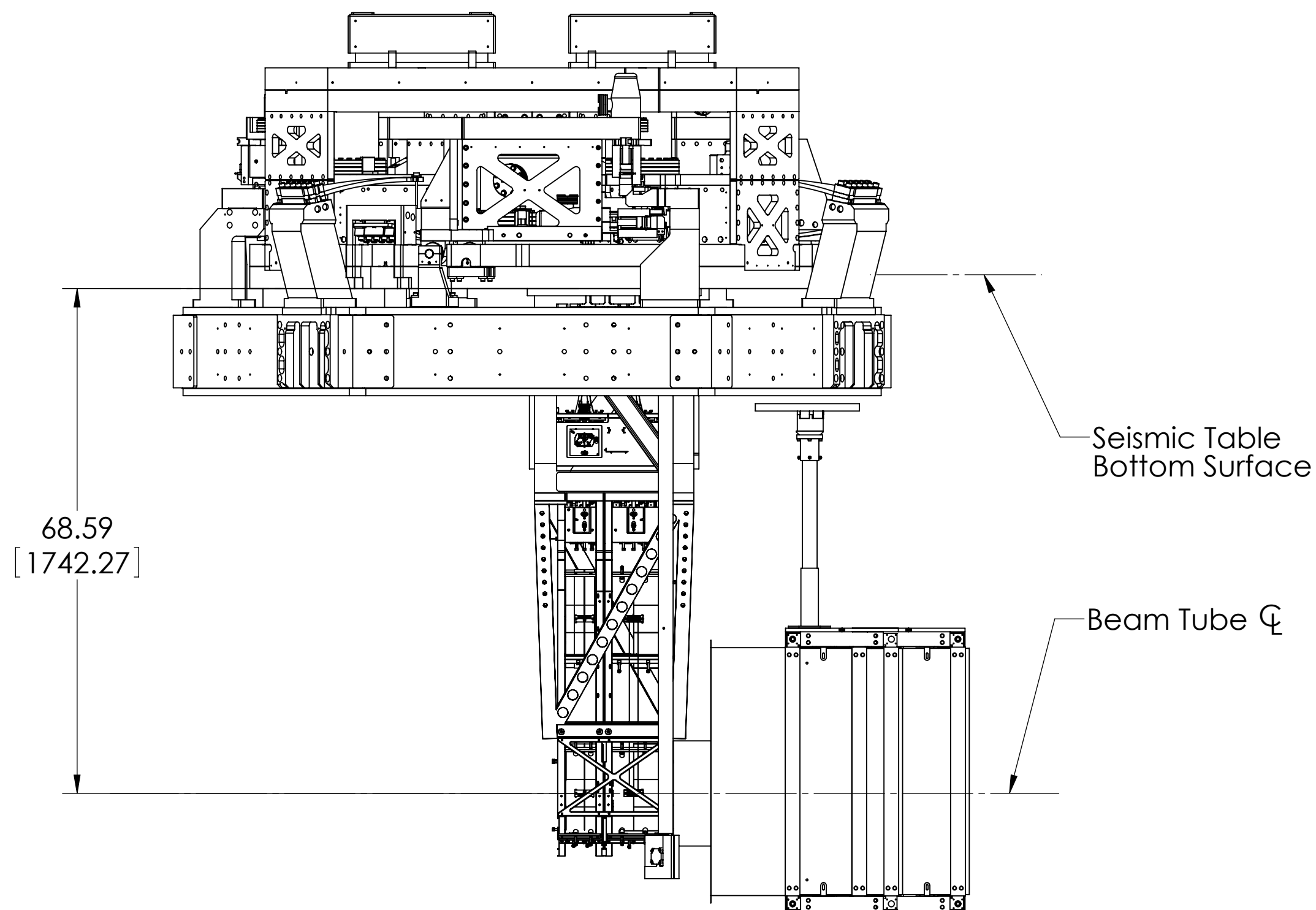
TOP VIEW



BOTTOM VIEW



FRONT VIEW



RIGHT SIDE VIEW

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	Full/QTY.
6	D090XXXX	AdvLIGO SUS, BSC3-H1 XYZ Local CS for CO2 Steering Mirror	N/A	1
5	D0901376	Arm Cavity Baffle Cyl Assembly	N/A	1
4	D0901140	AdvLIGO SUS BSC1-H1, XYZ Local CS for ITMY	--	1
3	D0901139	AdvLIGO, Seismic Isolation Table	--	1
2	D0900344	AdvLIGO Systems SEI Table Counterweight Assy	--	1
NOT SHOWN	D0901138	AdvLIGO VE BSC1-H1, Vacuum Equipment Assembly	--	1
PART NAME		PARTS LIST		

BSC1-H1 GLOBAL COORDINATES (mm)	
X	0.0
Y	4580.0
Z	0.0

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± 0.01
.XXX ± 0.005

ANGULAR ± 0.5°

MATERIAL	--	FINISH	-- μinch
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LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

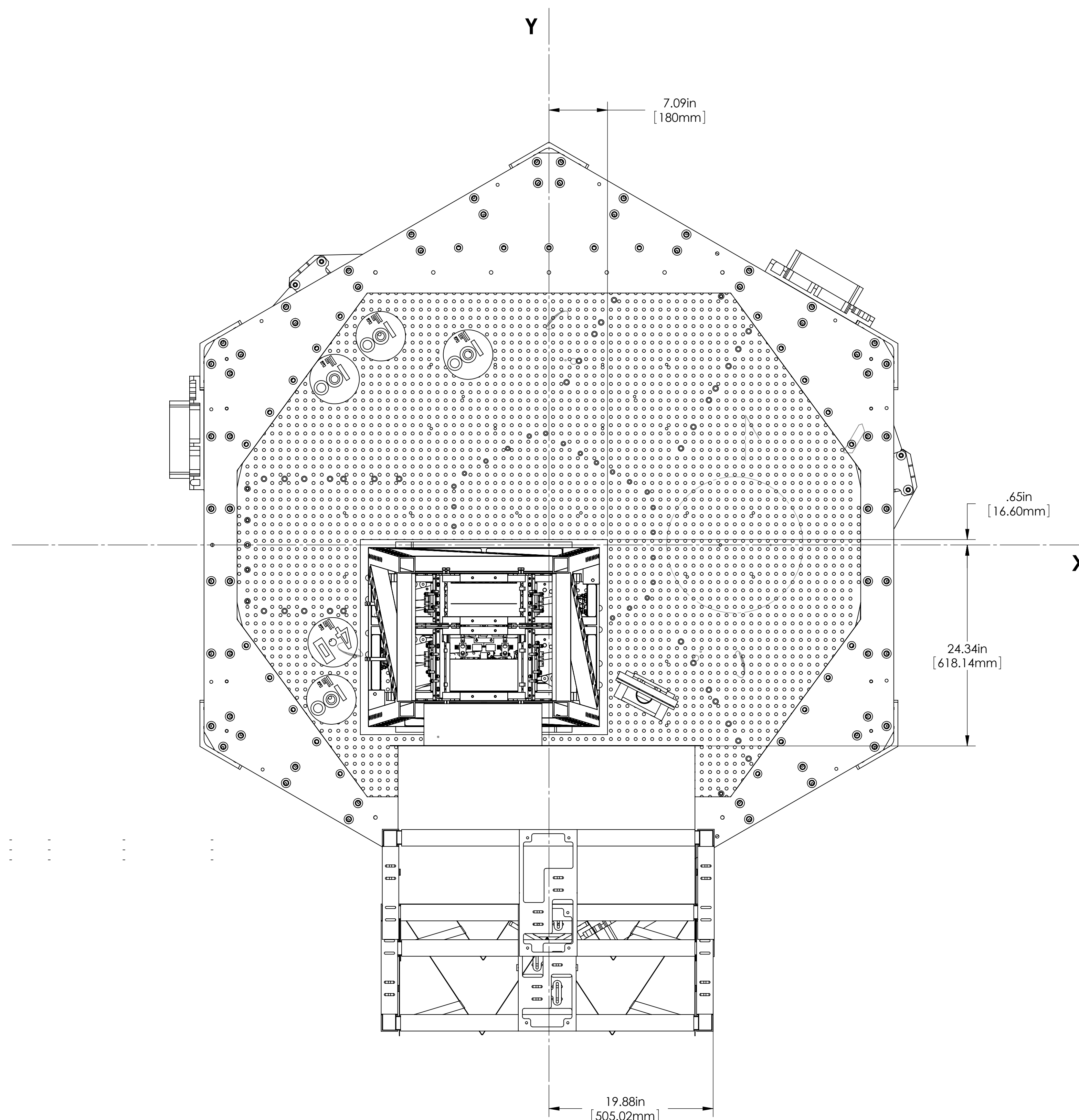
SYSTEM: **ADVANCED LIGO** SUB-SYSTEM: **SUS**

NEXT ASSY

DESIGNER	ED CHAVEZ	SIZE	DWG. NO.	REV.
DRAFTER			D0901137	v3
CHECKER		SCALE: 1:32	PROJECTION:	SHEET 2 OF 5
APPROVAL				

D0901137 BSC1-H1 Top Level Chamber Assembly, Complicated II, PART PDM REV: X-009, DRAWING PDM REV: X-001

REV.	DATE	DCN #	DRAWING TREE #



BOTTOM VIEW

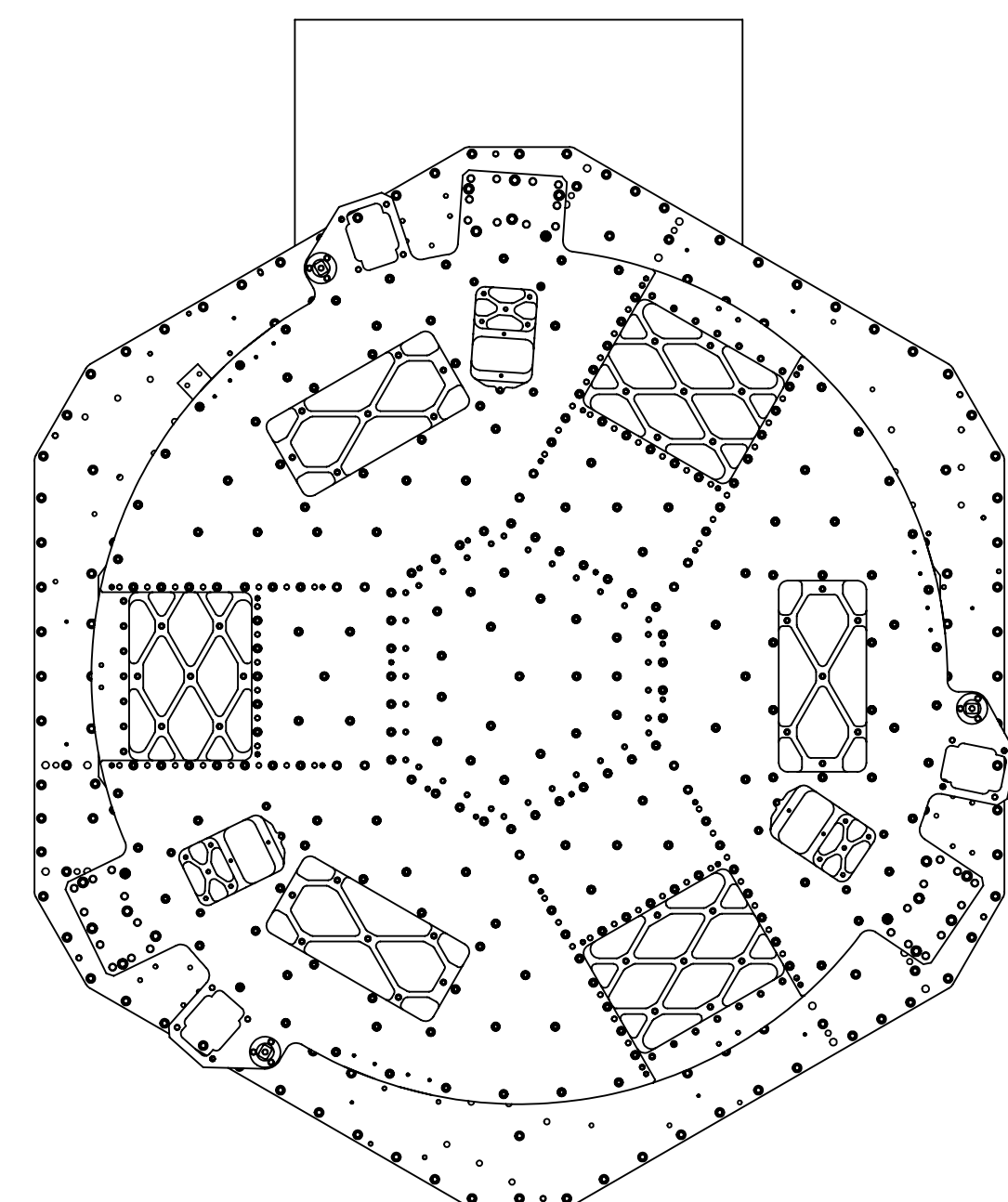
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN	
TOLERANCES:	
.XX ±	
.XXX ±	
ANGULAR ± °	
MATERIAL	--
FINISH	-- μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	SUS
NEXT ASSY	

PART NAME		BSC1-H1 Top Level Chamber Assembly, Fully Defined	
DESIGNER	ED CHAVEZ	DATE	21 OCT 2009
DRAFTER		SIZE	D
CHECKER		DWG. NO.	D0901137
APPROVAL		SCALE:	1:32
		PROJECTION:	
			SHEET 3 OF 5

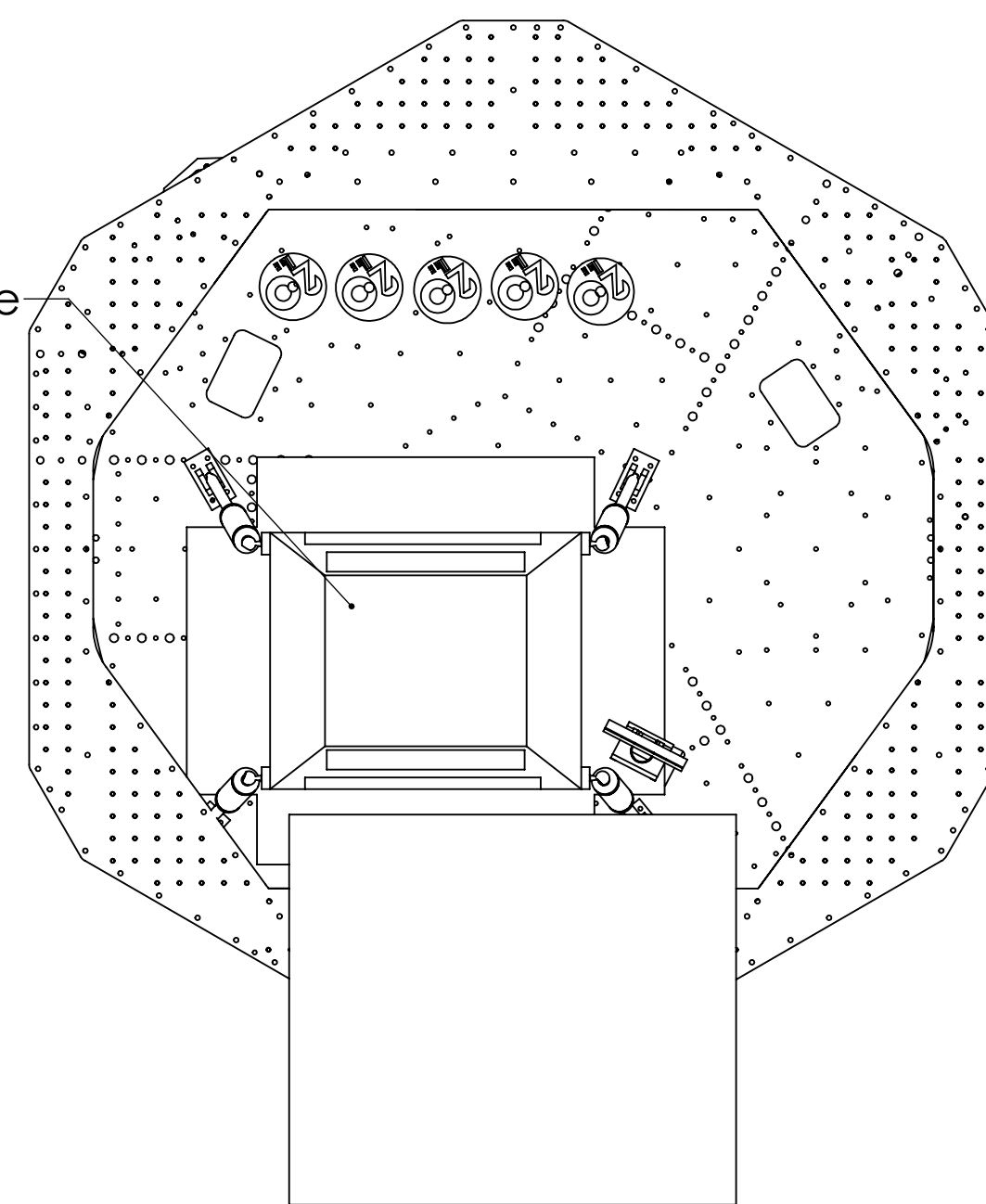
D0901137-BSC1-H1 Top Level Chamber Assembly, Complicated III, PART FDM REV: X.005, DRAWING FDM REV:

REV.	DATE	DCN #	DRAWING TREE #
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-	-	-	-
-	-	-	-

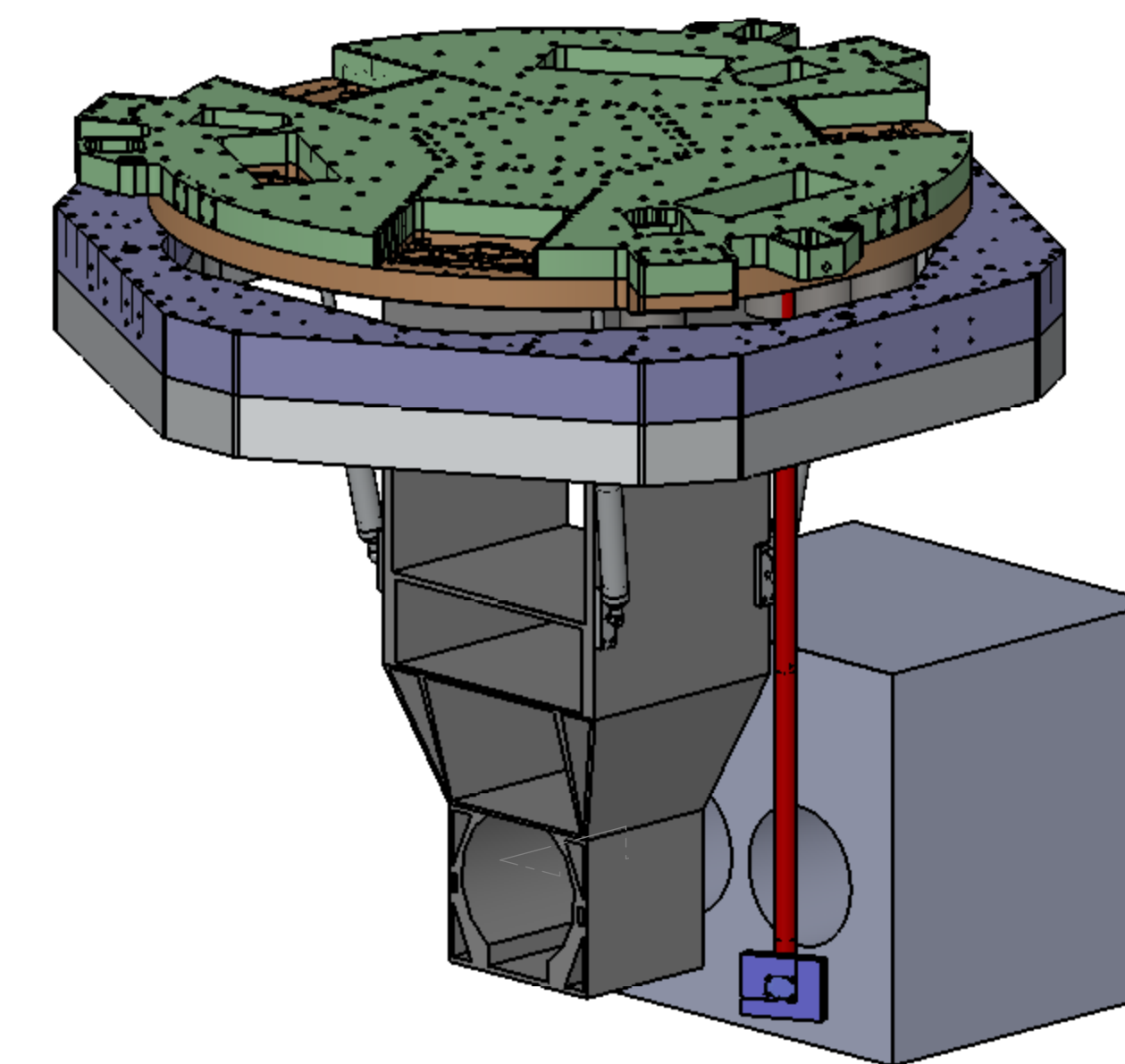


TOP VIEW

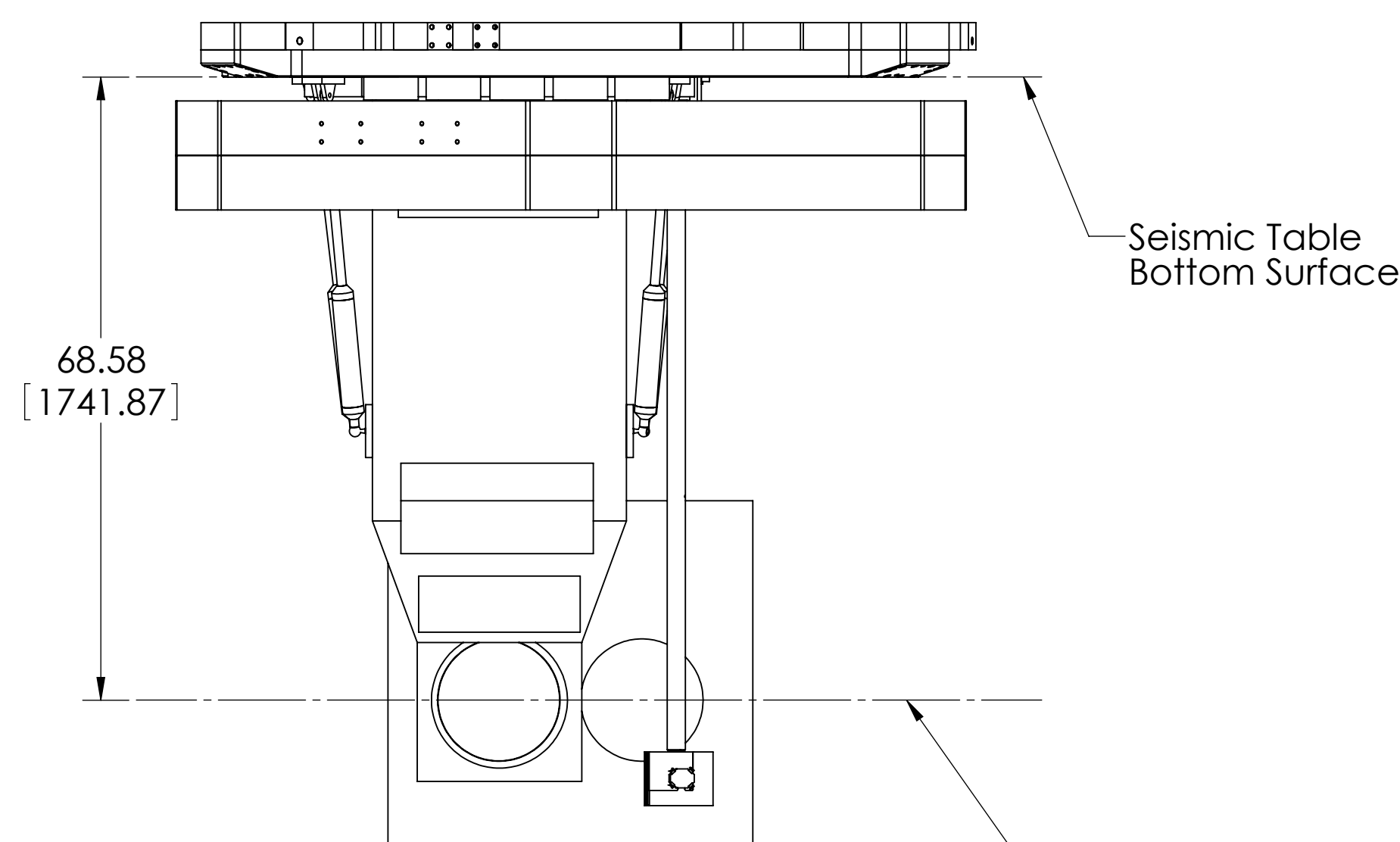
ITMY Envelope



BOTTOM VIEW



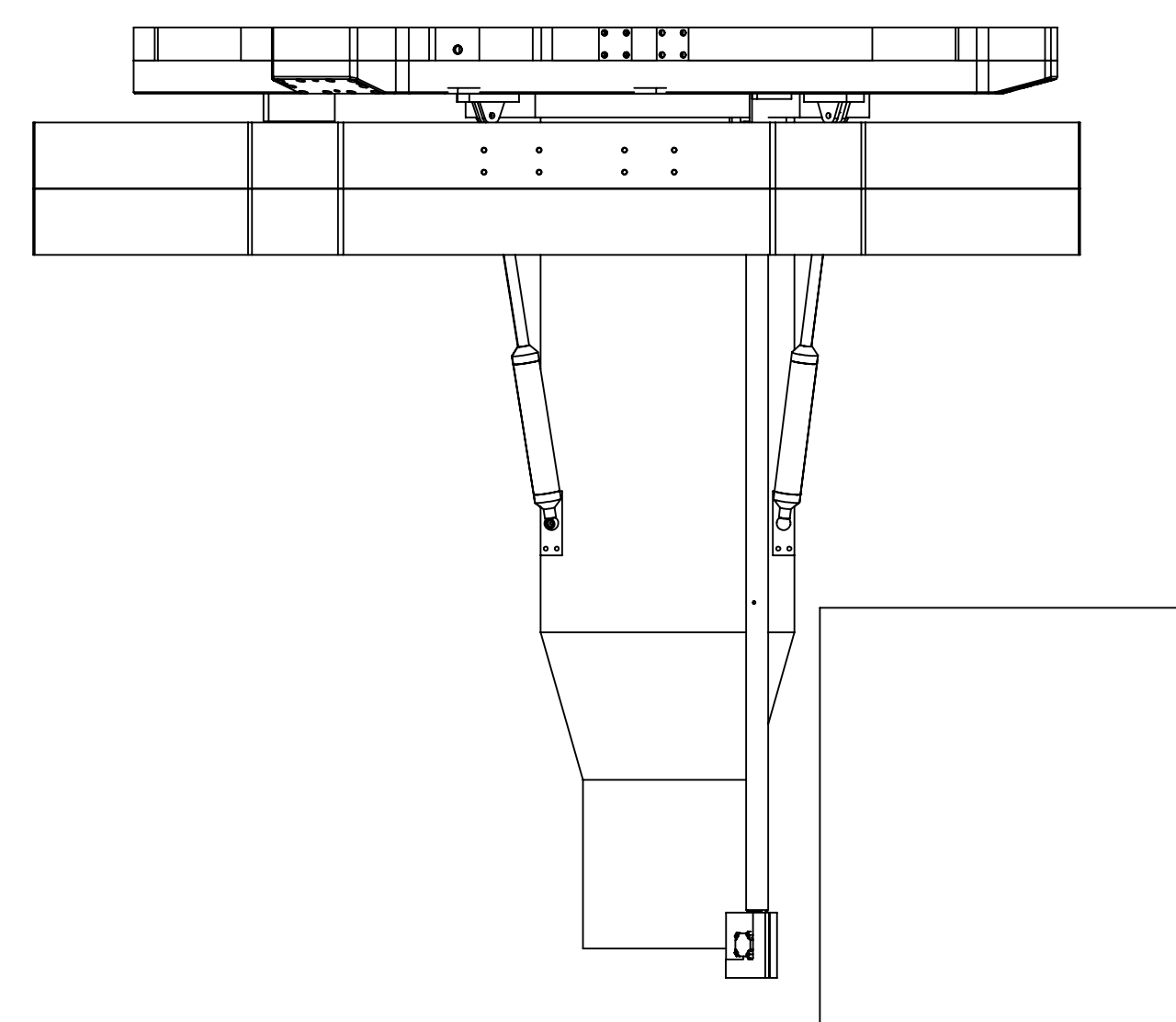
**NO SUSPENDED MASS &
NO CHAMBER SHOWN**



FRONT VIEW

Seismic Table
Bottom Surface

Beam Tube ϕ



RIGHT SIDE VIEW

BSC1-H1	
CofG COORDINATES (mm)	
X	-59.6
Y	488.4
Z	437.8
TABLE MASS W/NO SUS-MASS TOTAL	5446.52

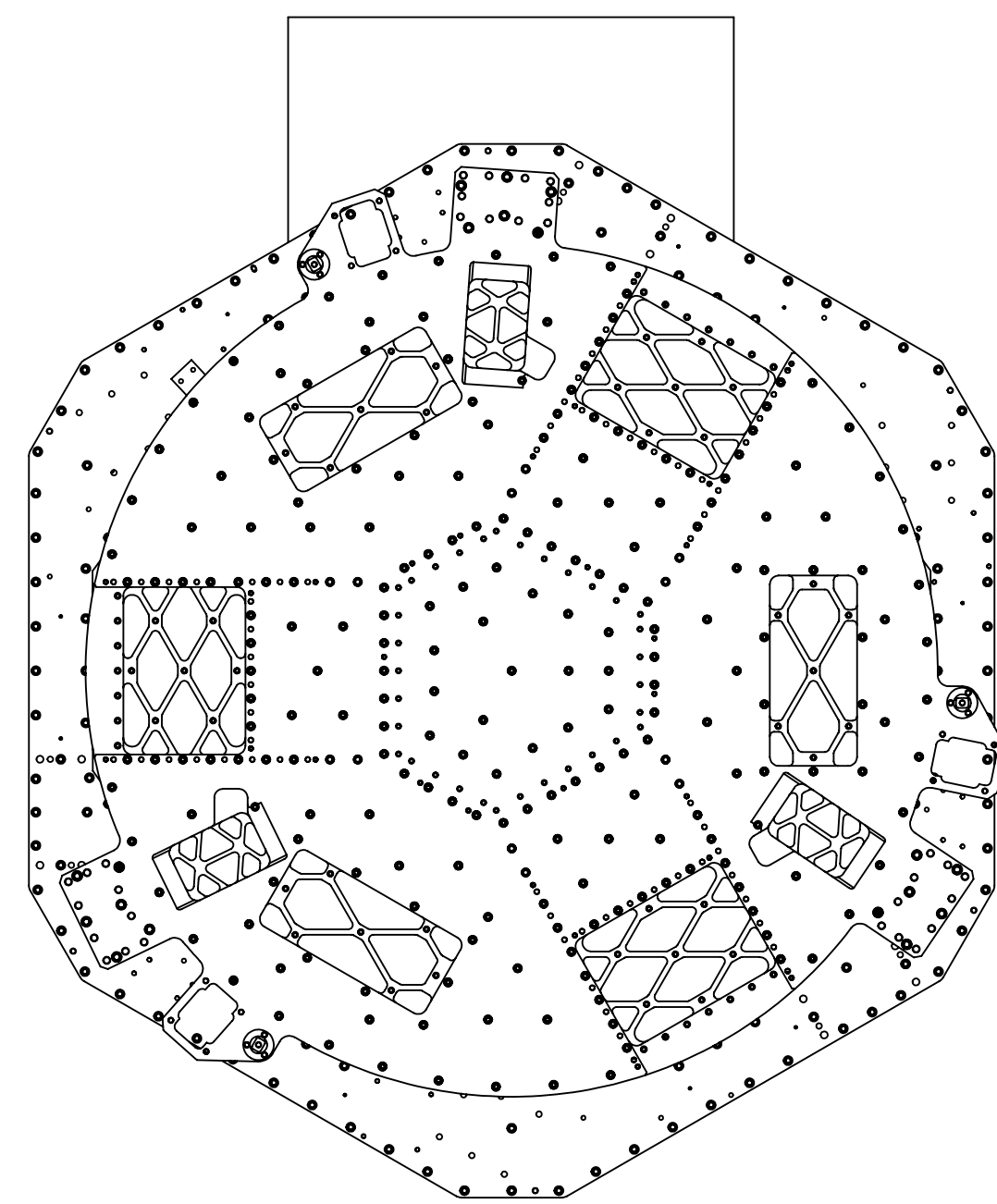
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± 0.01 .XXX ± 0.005	
ANGULAR ± 0.5°	
MATERIAL	FINISH
--	-- μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	SUS
NEXT ASSY	

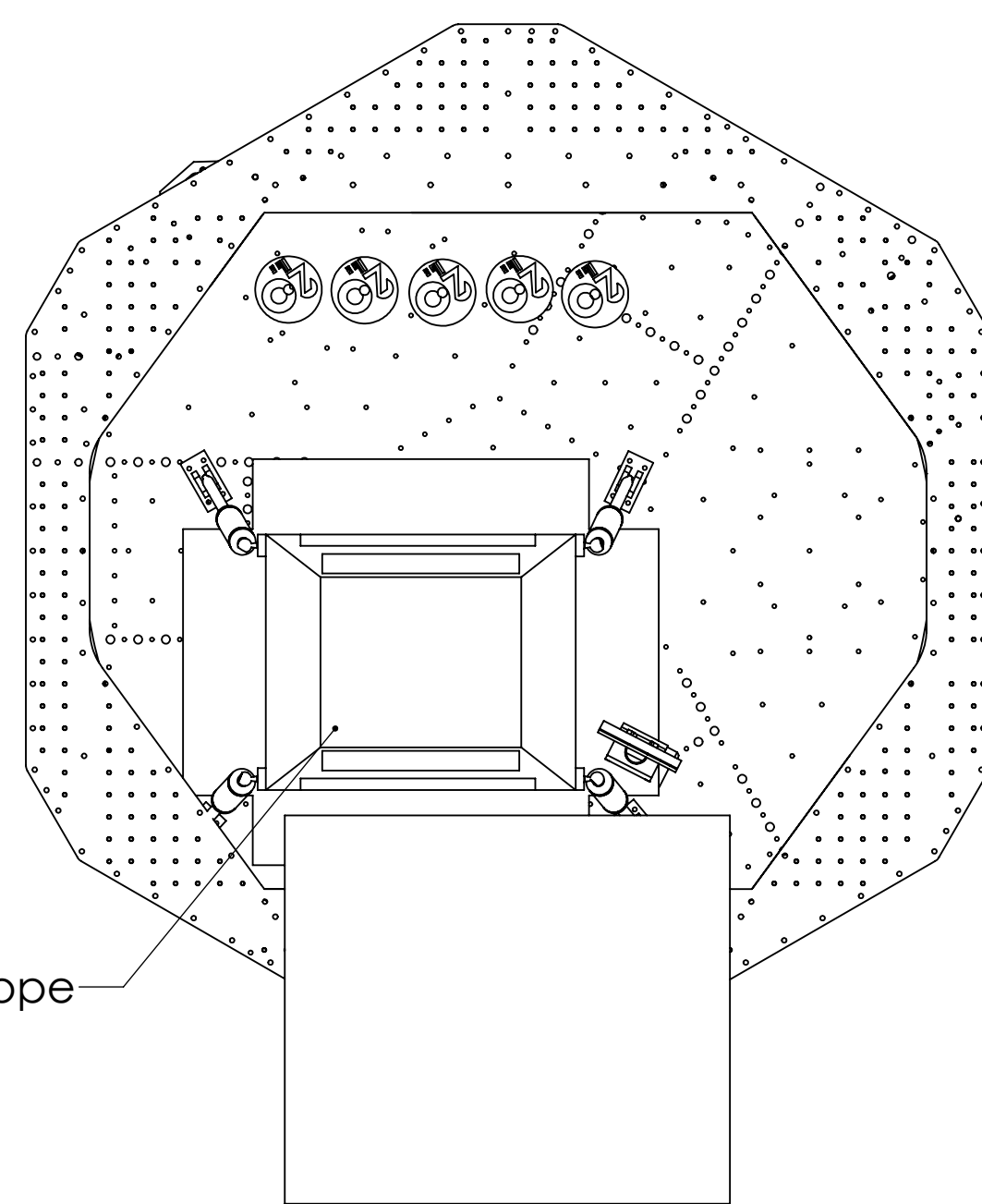
PART NAME			
BSC1-H1 Top Level Chamber Assembly, Simplified			
DESIGNER	SIZE	DWG. NO.	REV.
DRAFTER	ED CHAVEZ	21 OCT 2009	D
CHECKER			D0901137
APPROVAL			v3
SCALE: 1:24		PROJECTION:	SHEET 4 OF 5

D0901137 BSC1-H1 Top Level Chamber Assembly, Simplified-1.PART PDM REV: X.014, DRAWING PDM REV: X.002

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



TOP VIEW



ITMY Envelope

BOTTOM VIEW

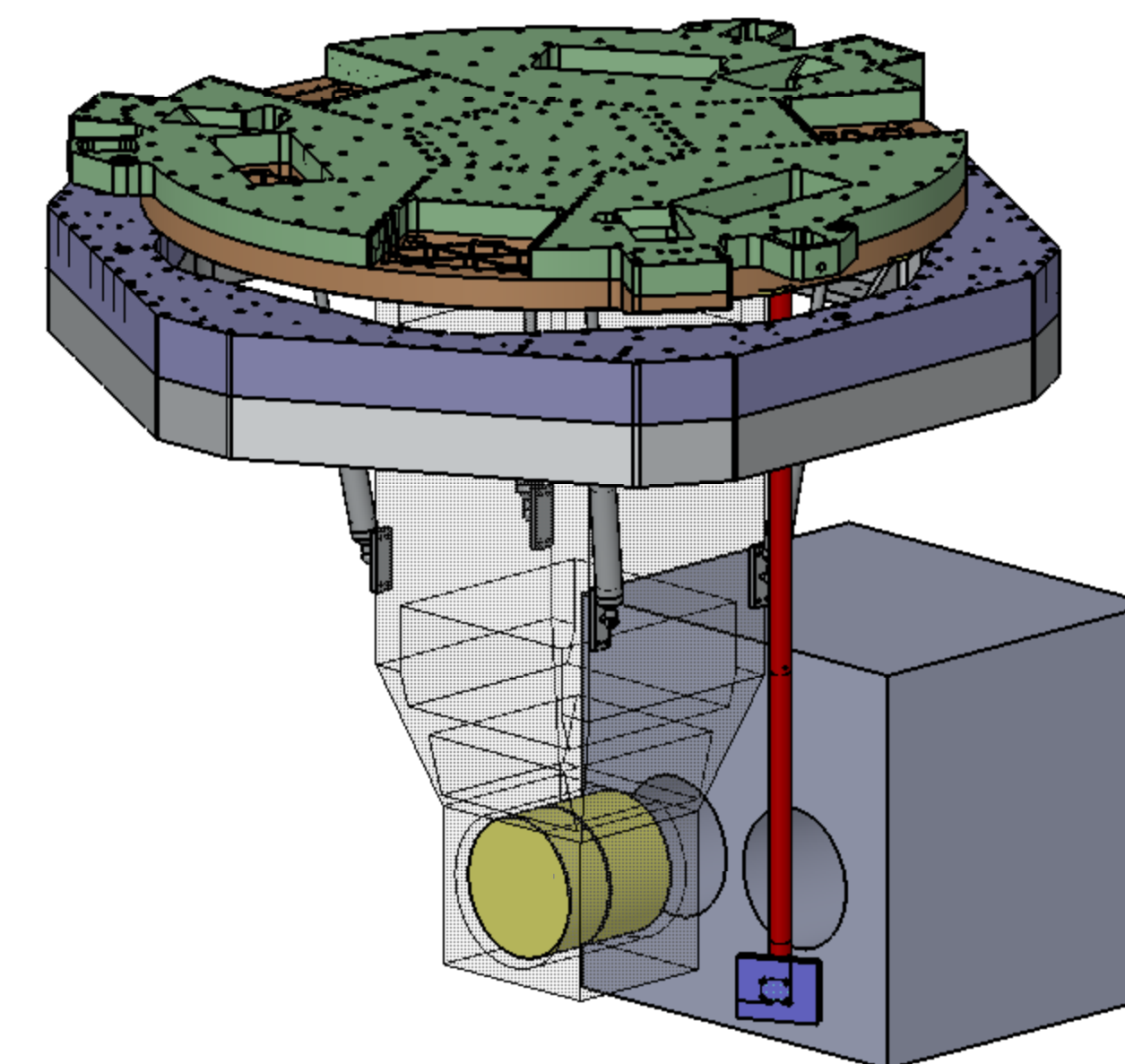
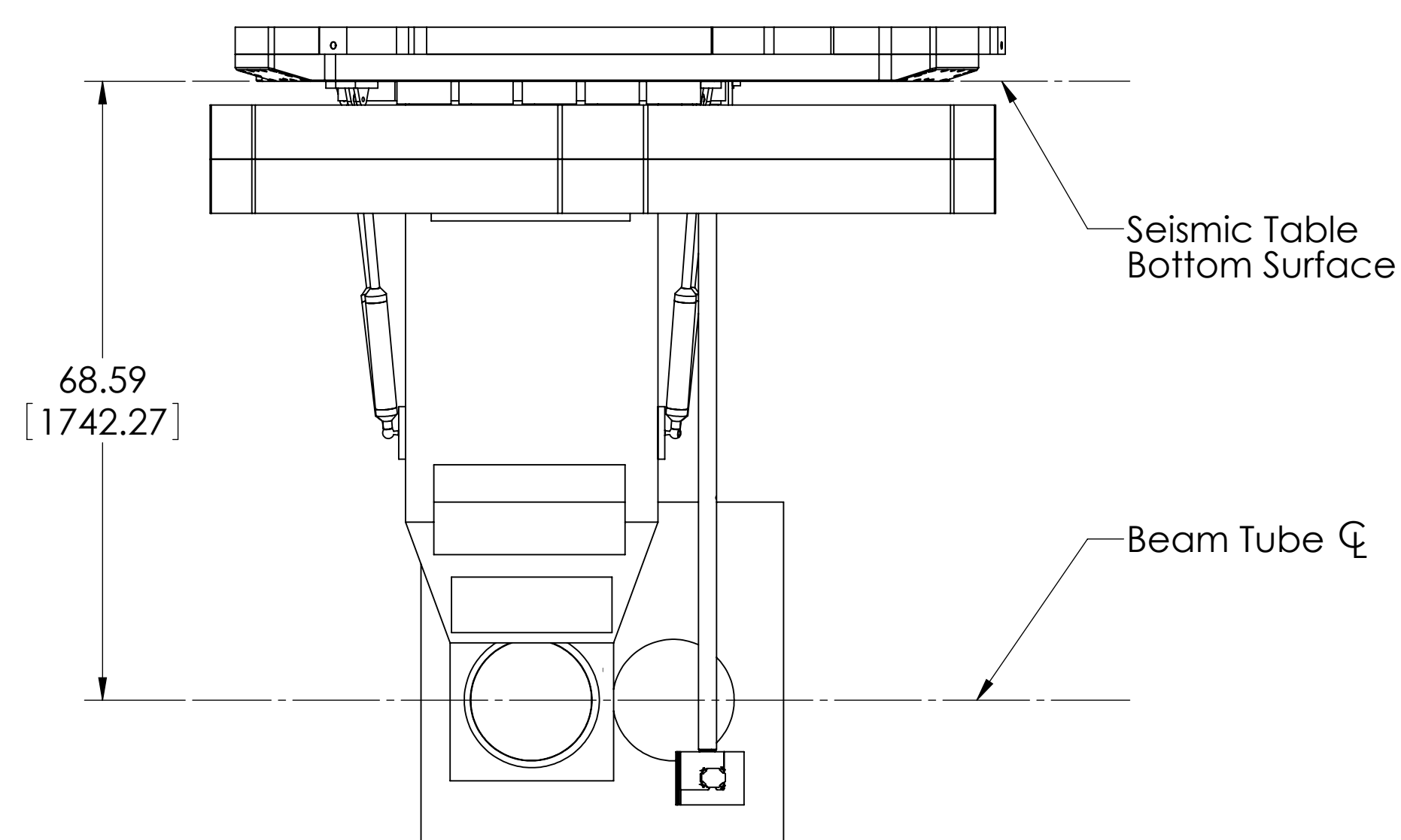


TABLE MASS TOTAL & NO CHAMBER SHOWN

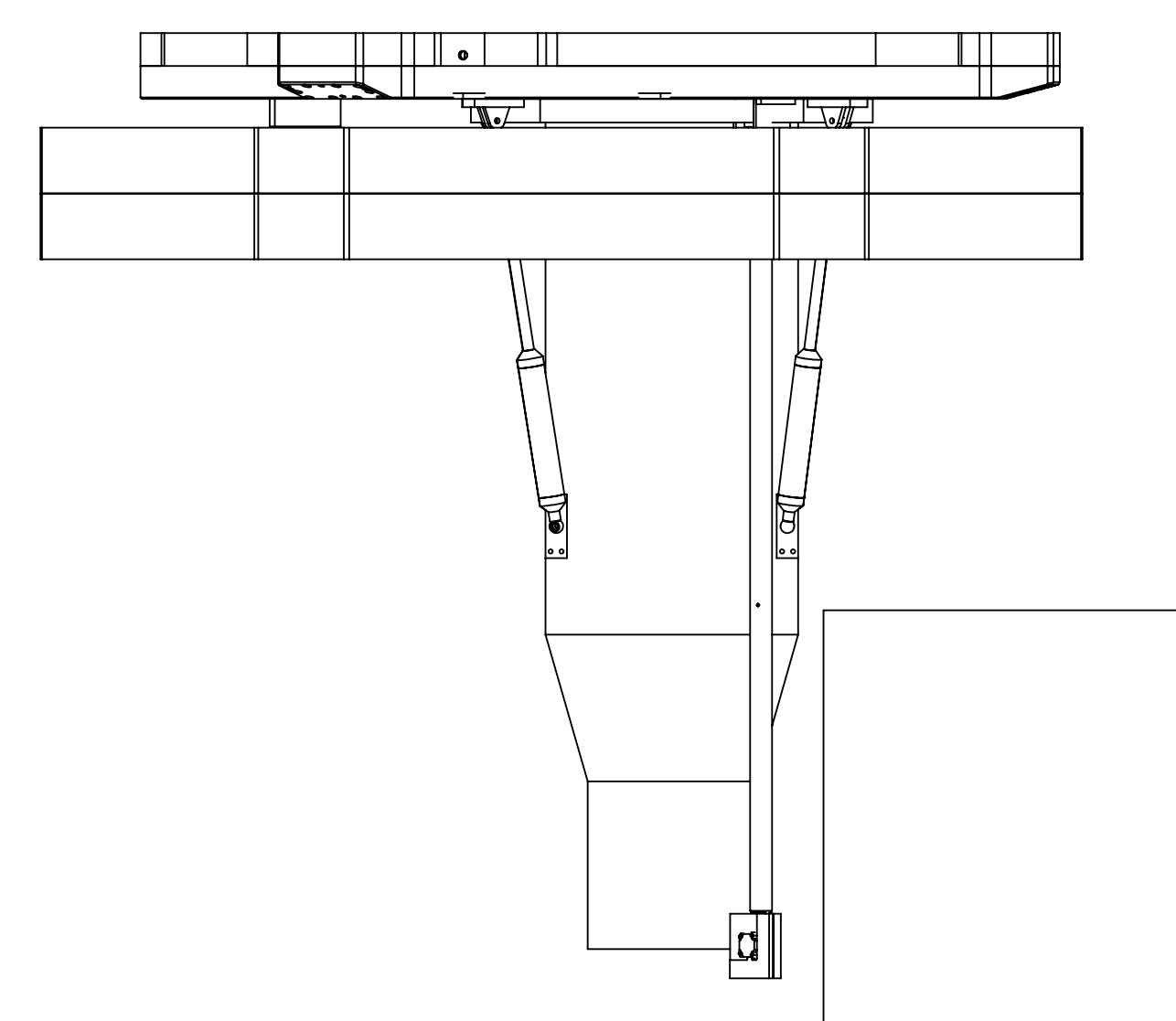


68.59
[1742.27]

Seismic Table
Bottom Surface

Beam Tube ϕ

FRONT VIEW



RIGHT SIDE VIEW

BSC1-H1	
CofG COORDINATES (mm)	
X	-285.17
Y	280.72
Z	464.04
TABLE MASS TOTAL	800.89

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± 0.01 .XXX ± 0.005	
ANGULAR ± 0.5°	
MATERIAL	FINISH
--	-- μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	SUS
NEXT ASSY	

PART NAME			
BSC1-H1 Top Level Chamber Assembly, Simplified			
DESIGNER	SIZE	DWG. NO.	REV.
DRAFTER	ED CHAVEZ	21 OCT 2009	D
CHECKER			D0901137
APPROVAL			v3
SCALE: 1:24		PROJECTION:	SHEET 5 OF 5

D0901137 BSC1-H1 Top Level Chamber Assembly, Simplified.dwg PART PDM REV: X-011, DRAWING PDM REV: X-001